



The State of Utah

Map Modernization Business Plan – 2009 Update



Department of Public Safety
Division of Homeland Security
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This Plan is an update to the 2005 State of Utah Map Modernization Business Plan. This plan was prepared to provide FEMA Region VIII with all information necessary to represent the State of Utah in their regional business plans. This plan will report on the State's progress, highlight State's capabilities and resources, present the State's future business plans & needs, identify any concerns, and address outlook on FY10 program.

This business plan update includes the following main components:

- Progress Report – CTP and MMMS
- Role of the State – Capability, Partnerships, Approach
- State of Utah Current Efforts
- State of Utah Future Outreach Plans
- Identify concerns or potential shortfalls

1. Introduction

In 2004, the State of Utah began dedicating mapping staff and resources to the Map Modernization Program. Over the last four years the Utah Division of Homeland Security Map Modernization Program has provided FEMA with all the necessary ingredients to successfully implement the goals and objectives of the Map Modernization Program in Utah.

The State of Utah is formally trained in Cooperating Technical Partnerships, Digital Flood Insurance Rate Maps, Multi-Hazard Information Portal, and the Mapping Information Platform.

The State of Utah has in the past and may in the future have leverage and cost-sharing opportunities with the help through local partnerships and efforts.

The State of Utah has prepared for and assembled the capacity to perform all activities necessary to guide and manage the State's mapping priorities by supporting the Prime Engineering Contractors with mapping projects, encourage map adoption, and promote local ownership of new maps and map products.

The State of Utah continues to engage in and promote FEMA programs and build upon its relationship with Regional staff. The State is optimistic that these efforts will enhance the implementation of this shared vision and strategy to modernize flood hazard mapping.

2. Progress Report

The State of Utah has received several MMMS/CTP grants to perform management support for Map Modernization activities. This grant currently is providing the state with roughly \$75,000 between this year's and last year's grants to build state capacity in the form of a Flood Mapping Coordinator. This grant is critical to the State's fulfilling this position as a full managing state and will depend on future CTP/Risk MAP grants to maintain its Flood Mapping Coordinator and current mapping efforts. To date, the State's most successful management activities have been through Outreach, Mapping Needs Assessments, Building Partnerships, and Map Adoption. In addition, the State is formally trained in reporting and tracking tools developed by FEMA specifically for Map Modernization and CTP activities (WISE, MHIP, MIP). The State will also be formally trained in Needs Management through the CNMS program

All MMMS/CTP activities the State is performing and progress on each activity is described below.

DFIRM Maintenance Management

Utah is responsible for documentation for DFIRM maintenance and data upload to the MIP on a monthly basis with monthly updated data from contractors. Data comes in to the MMMS/CTP coordinator on the third week of each month with an approved spreadsheet provided by the MMMS/CTP coordinator.

Maintenance of Digital Base Map Inventory

Utah works in conjunction with the Prime Engineering Contractors, state and local floodplain administrators and officials and the Utah State Automated Geographic Reference Center (AGRC) to house and gather an inventory of Digital Base Maps for the state. All Map Modernization questions are referred to the MMMS/CTP coordinator and addressed in a timely manner.

Assessment of Community Mapping Needs (to support FEMA's Mapping Needs Update Support System – MNUSS)

Utah's MMMS/CTP Coordinator, along with the Utah NFIP Coordinator and the Natural Hazards Section Manager for Utah Division of Homeland Security, helps identify and assess the unmet mapping needs for the state by information given through community meetings, scoping meetings, state and local floodplain administrators, contractors and FEMA. All unmet needs are gathered and housed into MNUSS as well as contractor spreadsheets and state spreadsheets and Utah's Unmet Needs list.

Utah's MMMS/CTP Coordinator sent out a Utah Unmet Needs Questionnaire to many counties to begin to compile the Utah Risk MAP unmet needs list in September 2008. The Utah Risk MAP unmet needs list was then prioritized and sent to FEMA for review in 2008 and 2009. The MMMS/CTP coordinator works closely with communities to further update and prioritize the Utah Risk MAP unmet needs list through CCO Meetings, local meetings and other outreach. See Section 5 for Utah's unmet needs list.

Maintenance of and Managing Updates to the FEMA Levee Inventory System (FLIS)

Utah's MMMS/CTP Coordinator, along with the Utah NFIP Coordinator and the Natural Hazards Section Manager for Utah Division of Homeland Security play a support role to Michael Baker Jr. in their required updates and maintenance to the FLIS with current data collected from contractors and state and local floodplain administrators.

Information Technology Systems

Utah works and coordinates with the State's Automated Geographic Reference Center (AGRC) to archive, distribute and manage DFIRMS in a web-based program called ARC-IMS for public and state use. Floodplain delineations will be stored as ArcView layers that will be accessible by the public over the internet by AGRC. The layers can be downloaded from the webpage or will be provided on a CD by request.

The MMMS/CTP Coordinator works directly with Gordon Douglass, Utah AGRC, to ensure all updated and current data has been given to AGRC and available to the public for use.

Quality Standards

The Utah MMMS/CTP Coordinator reviews all of Utah's Mapping Activity Statement's to ensure quality and the implementation of all Floodplain Boundary Standards are being met by the Prime Engineering Contractors within the state.

Management Efforts

The Utah MMMS/CTP Coordinator documents and tracks the costs and schedule through management tools, approved spreadsheets and the MIP for the state. The MMMS/CTP coordinator uses various spreadsheets and other tools to track progress in the Map Modernization Program. See section 4 for Utah's DFRIM schedules.

Utah coordinates all monthly calls with contractors, FEMA and Michael Baker, Jr. and also follows through with minutes for each monthly conference call throughout the year.

Outreach

Utah is committed to providing **enhanced communication** to the user community. Through the development and distribution of brochures, newsletters, and meetings, the community will be better informed of all aspects of floodplain mapping, NFIP regulations, and available products and services. Also the Utah High and Dry newsletter will provide map modernization and Risk MAP information updates.

Utah performs outreach in the form of informational mailings to include quarterly newsletters, community letters, website postings and emails throughout the year. The MMMS/CTP partner also works in conjunction with the Utah NFIP Coordinator, the Natural Hazards Section Manager, and the Utah Floodplain and Stormwater Management Association (UFSMA) to keep the community well informed of any Map Modernization Program and Risk MAP updates and any new DFIRM updates.

The MMMS/CTP partner also responds to any questions or problems regarding the Map Modernization and Risk MAP Program through phone calls, emails and meetings.

Effective communication is a key component to the Utah Map Modernization Program. Our outreach program enables the community to fully understand the DFIRM process and their role in this program. It is essential for the community to be involved from the very early stages of this program to ensure success. They are an important partner and must not be left out. The Utah Map Modernization and Risk MAP Program is dedicated in their efforts to reach out to the community in better understanding the entire mapping process. Beginning prior to the scoping meeting, the Utah MMMS/CTP Coordinator is in communication with the community officials teaching them about the program, organizing the meetings, and gaining their support. Leverage is also discussed at these early communications. To gain the communities' support and early buy-in allows this difficult and lengthy mapping process to successfully progress.

Outreach for Levee Procedures

Utah's MMMS/CTP Coordinator, along with the Utah NFIP Coordinator and the Natural Hazards Section Manager for Utah Division of Homeland Security works directly with FEMA, state and local floodplain administrators, as well as the contractors and the Army Corps of Engineers to communicate FEMA's levee policies and procedures to local communities by hosting community meetings, website postings, phone calls and email.

Compliance / Map Adoption

Utah communicates any updated document reviews and/or meetings and provided assistance when needed to ensure all state and local officials are well informed with the help of the Utah NFIP Coordinator, contractors and the Utah Natural Hazards Section Manager through local meetings, email, website postings and mailings.

Training Efforts to State and Local Officials

Utah ensures proper training in and out of the state for contractors, state and local officials. The MMMS/CTP partner participated and attended all MIP Open conference calls throughout the year. LOMA/LOMR and Legal Issues of the NFIP training, and was given all ASFPM and USFMA annual conference information.

Staffing

Utah has an experienced team of staff and consultants dedicated to activities that promote the flood mapping process and the adoption of effective maps by NFIP communities. This includes the Utah MMMS/CTP Coordinator, the Utah NFIP Coordinator, the Utah Natural Hazards Section Manager, and the prime engineering contractors. There is also staff available to assist in mapping needs to include the State Hazard Mitigation Officer, the AGRC staff, members of the State Hazard Mitigation Team which include the Dam Safety office, Corps of Engineers, Division of Water Rights, and Division of Water Resources. These people can assist in reviewing and providing technical expertise as needed.

3. The State of Utah's Role in Risk MAP

Utah's Risk MAP program is FEMA's vision to integrate all three legs of the NFIP, as well as the interrelationship to the key elements of the disaster programs; PA, Mitigation Planning and Grant Programs. This will create opportunities for synergy with our state and local partners in a manner that streamlines multiple activities and builds state and local capability, which essential for the continued investment in better flood maps and to be cost effective. Utah feels that every community should receive quality maps and mapping partners is essential to be successful in this program.

Utah's Risk MAP program will provide opportunities from mapping events and tools to tie risk identification and risk assessments to feed planning within communities to then develop long term solutions to reduce the risk. PA funding provides long term mitigation opportunity to utilize the risk mapping, assessment and planning approaches to coordinate mapping efforts in Utah. These opportunities are abound for integration and cost savings.

Implementation Utah's Risk MAP Program

Given continued support for a Map Modernization/Risk MAP Coordinator, the State of Utah will dedicate staff and resources in support of Risk MAP. The State continues to be a fully managing state performing all activities identified in the MMMS/CTP and eventually Risk MAP Business Plan. The State will continue to focus on management support activities, providing mapping priorities, outreach activities, mapping activities, map adoption and other due process activities. The State's main goals for Risk MAP will be to identify the risk through outreach and training to the state and local communities, along with assessment and mitigation of the risks.

Risk MAP Outreach Plan

Utah's newly implemented Risk MAP program may include an Outreach Plan, a Yearly Roadmap and a Risk MAP Outreach Team. The team will include the Utah CTP, Utah NFIP Coordinator, and one of Utah's Prime Engineering Contractors to perform trainings on a quarterly basis, outreach meetings to communities and other state agencies to help identify and communicate any risk within their communities as well as determine leverage, cash-match or in-kind contributions that may be given by a community. The State of Utah would like to contract with a State Prime Engineering Contractor to collaborate with federal stakeholders and local municipalities to integrate mapping, assessment and planning to produce effective strategies to reduce risk within this outreach team.

Strong Participation in Risk MAP

The State of Utah's role, functions, and capacities as related to the newly implemented Risk MAP Program will be improved through constant coordination with FEMA regional staff, the Prime Engineering Contractors and through the gained experiences in new processes, tools, and objectives. The State has thus far successfully implemented its Business Plan in Map Modernization by combining an experienced Floodplain Management Program with experienced and capable FEMA mapping resources, and taking full advantage of the State's long-time relationship with FEMA Region VIII and the state and local partners to further enhance the Risk MAP Program.

The State of Utah will review the National CNMS Database (CNMS Database User Guide, 2009 Version 2.9), for critical and secondary elements, as it relates to Utah. The State of Utah plans to determine funding and training to update CNMS database to required level and to continue to develop unmet needs presented by the State and Local Communities by identifying unmet needs by type of study, CNMS elements, and prioritization criteria. And to develop statewide prioritization criteria for evaluation of unmet needs.

The State of Utah would also like to hire a GIS intern to help implement the Risk MAP Program by assisting in HAZUS Flood analysis to define risk results and to further refine and confirm results for counties and communities. Data to be reviewed include: future

conditions, event, flood protection and other community-defined conditions, including hazard mitigation plans.

Other tasks the State of Utah may wish to be involved in for Risk MAP implementation may include: 1) Preparation of state-wide inventory of available topography by county and watershed that meet FEMA standards for detailed studies and approximate studies. This inventory will assist in the determination of what additional data is required to meet mapping and risk needs and add status of Hazard Mitigation Plan completion and schedules. 2) Conduct state-wide public survey to identify baseline local public knowledge and awareness of local current and future risk to flooding. Communities will be able to use this baseline information to measure future progress.

As the State of Utah and FEMA move forward with the Risk MAP Program and further guidance and knowledge is given, Utah's Risk MAP implementation plan, priorities and objectives may change. Utah will continue to improve the current Risk MAP Program Business Plan and we are looking forward to implementing the program over the coming year.

State-wide Partnerships for Risk MAP Implementation

The State of Utah has beneficial partnerships with other state agencies. The State GIS staff has provided maps and data to contractors, consultants, communities, and FEMA. Automated Geographic Reference Center (AGRC) has provided assistance to the mapping process. Staff members of AGRC have reviewed mapping, attending scoping meetings, and other various map development coordination meetings. Utah continues to work with Cities, Counties, Planning Districts and communities to gather information and existing data. Through the State Hazard Mitigation Team, many organizations are available to assist in technical assistance for this program. The Divisions of water resources, dam safety, water rights, Utah Geological Survey as well as the Corps of Engineers are members of this team and can be used to review documents and coordinate resources in their efforts and goals for leverage or in-kind contributions. This partnership is invaluable as we look at the big picture of mapping flood hazards.

4. Current Mapping Projects and Schedules

Currently the State of Utah has ten Map Modernization projects underway through the CTP and MMMS agreements with FEMA Region VIII. They are detailed in table on next page.

	Deliverables	PROJECTED DELIVERABLES for URS Projects					PROJECTED DELIVERABLES for Stantec Projects		PROJECTED DELIVERABLES for Bowen Collins Projects			Comment
		Utah County	Sanpete County	Uintah County	Carbon County	Weber County	Tooele County	Morgan County	Iron County	Wasatch County	Box Elder County	
MIP Task												
Field Surveys	-Survey Files -Photos -Sketches -Metadata	10/1/2009	Completed	N/A	Completed		7/30/2005	n/a	1/31/2007	6/11/2007	1/1/2008	
Topographic Data Development	-Terrain Source Data -Output Data -Metadata File	9/1/2009	Completed	Completed	Completed		n/a	2/26/2008	3/31/2007	6/11/2007	12/15/2007	
Independent QA/QC Review of Topographic Data		10/1/2009	Completed	Completed	Completed		n/a	6/5/2008	4/30/2007	7/1/2007	2/1/2008	
Base Map Acquisition	-Image Files -S_base_Index.shp File -Base Map Certification -Metadata	Completed	Completed	Completed	Completed		7/2/2007	1/31/2008	5/31/2007	6/30/2007	12/15/2007	
Independent QA/QC Review of Base Map		Completed	Completed	Completed	Completed		7/13/2007	2/22/2008	6/30/2007	7/31/2007	2/1/2008	
Hydrologic Analyses	-Hydrologic Design Report -Hydrology Models -Metadata	9/30/2009	Completed	Completed	N/A		12/17/2007	3/31/2008	3/31/2007	4/30/2007	2/1/2008	
Independent QA/QC Review of Hydrologic Analyses		11/20/2009	Completed	Completed	N/A		12/21/2007	6/16/2008	4/30/2007	5/31/2007	3/15/2008	
Hydraulic Analyses	-Hydraulics Design Report -Hydraulic Models -CAD Profile -Floodway Data Table -Metadata	12/15/2009	Completed	Completed	7/15/2009		1/7/2008	6/19/2008	7/15/2008	8/1/2008	5/15/2008	
Independent QA/QC Review of Hydraulic Analyses		2/15/2010	Completed	Completed	8/15/2009		5/12/2008	8/29/2008	8/15/2008	9/1/2008	7/1/2008	
Floodplain Mapping and Redelineation	-Certain Shapefiles -Metadata -Digital Work Maps	12/30/2009	Completed	Completed	7/21/2009		5/12/2008	11/12/2008	9/15/2008	10/1/2008	6/15/2008	
Independent QA/QC Review of Floodplain Mapping		3/31/2010	Completed	Completed	9/15/2009		5/12/2008	12/13/2008	10/27/2008	11/15/2008	8/1/2008	

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Develop DFI RM Database		- E00 Database Files - Metadata	5/15/2010	Completed	Completed	9/30/2009		5/12/2008	12/27/2008	11/10/2008	11/19/2008	9/1/2008	
Independent QA/QC Review of DFI RM Database	#1 (HDM-Auto)	- E00 Database Files - Metadata - Prelim FIS - Prelim SOMA - Prelim Distribution Letters - FBS Self Audit Docs - TIF Map Panels	6/30/2010	Completed	Completed	10/20/2009		5/12/2008	1/26/2009	11/17/2008	12/5/2008	10/15/2008	
Produce Preliminary Map Products			5/15/2010	Completed	Completed	9/30/2009		9/30/2008	2/25/2009	9/15/2009	9/1/2009	3/10/2009	
Submit Draft BFE Info	#4	- Draft BFE Info - 90 day start letters - Letter to Newspaper - Newspaper Notice - BFE Web Application	5/15/2010	Completed	N/A	9/30/2009		n/a	n/a	12/15/2009	9/1/2009	3/10/2009	No later than 30 days before mailing BFE letters to CEO's. Submit with prelim. map products submittal.
Independent QA/QC of Preliminary Maps	#2 (HDM-Auto) #3 (HDM-Visual)		6/30/2010	Completed	8/6/2009	11/15/2009		10/14/2008	3/27/2009	11/1/2009	10/17/2009	3/10/2009	
Distribute Preliminary Map Products (Prelim. Date)			7/31/2010	5/29/2009	9/15/2009	1/29/2010	3/26/2011	11/13/2008	4/27/2009	12/15/2009	11/30/2009	3/10/2009	
Conduct CCO Meeting			8/30/2010	7/7/2009	10/15/2009	2/29/2010		1/27/2009	6/4/2009	1/14/2010	12/31/2009	4/28/2009	At least 30 days after prelim. map products distribution date.
Submit Final BFE Info		- Final BFE Info	9/1/2010	7/14/2009	N/A	1/18/2010		n/a	n/a	12/14/2009	11/27/2009	8/1/2009	At least 7 days before mailing letters.
Mail BFE Letter to CEO			9/8/2010	7/21/2009	N/A	1/25/2010		n/a	n/a	12/21/2009	12/4/2009	8/8/2009	1 week before publishing notice in newspaper.
1st Publishing of BFE Notice in Newspaper			9/15/2010	7/28/2009	N/A	2/2/2010		n/a	n/a	12/28/2009	12/11/2009	8/15/2009	
2nd Publishing of BFE Notice in			9/18/2010	7/29/2009	N/A	2/3/2010		n/a	n/a	12/29/2009	12/12/2009	8/16/2009	14 days after first BFE

5. Utah's Mapping Needs Assessment and Priority Ranking

In 2009 FEMA Region VIII asked the states to provide a priority list for all of Utah's unmet mapping needs. Utah's MMMS/CTP Coordinator sent out a Utah Unmet Needs Questionnaire to many counties to further prioritize the Utah Risk MAP unmet needs list in September 2009. The Utah Risk MAP unmet needs list was then prioritized and compiled and sent to FEMA for review. The MMMS/CTP Coordinator will be resending the Utah Unmet Needs Questionnaire in January of 2010 to all NFIP communities to add and update the Utah Risk MAP unmet needs list. See table for Utah's unmet needs.

Utah's Risk MAP Unmet Needs List

Ranked 1-5 (5=highest/1=lowest)

County	Area of Study	Priority	Risk	Population	Map Wrong	Levee
Salt Lake	Airport (Surplus Canal), Barney's Wash, Jordan River, Low lying Drainage	1	5	5	5	Y
Sevier, Sanpete	Sevier River	2	5	5	5	Y
Washington	Half Way Wash	3	4	4	3	N
Davis	All Streams	4	4	5	5	Y
Cache	Logan River, Smithfield, Providence, Nibley, Richmond, Wellsville, South of Trenton, South Fields	5	5	4	4	Y
Tooele	Middle Creek Canyon	6	5	5	5	N
	Settlement Canyon	7	5	5	5	N
	Unnamed Canyon	8	5	5	5	N
Summit	Weber River, Oakley	9	5	4	4	N
	Coalville	10	5	3	4	N
Summit	Beaver Springs	11	3	3	4	N
Davis	Bountiful	Same	3	4	5	N
Sanpete	Ephraim Creek	Same	3	3	3	N
Uintah	Ashley Creek	Same	4	3	3	N
Davis	Layton City	Same	3	4	3	N
Washington	un-named wash tributary to Millcreek – need more data	Same				
Tooele	Wendover-Need more data	Same				

6. Mapping Plans for FY10 Funds

FEMA's FY10 CTP funds in Utah will be used to contract with engineering firms from our list of qualified contractors, and to fund internal engineering, perform flood studies, digital conversions, and project management and assisting in the collection of field data, modeling, and reviewing studies and a planning staff to oversee all aspects of the flood remapping effort for all studies and future studies. In partnership with FEMA, we will generate reasonable and accurate flood hazard maps for all of Utah's counties where a flood risk is currently mapped on effective FIRMs. In addition, funds may be used to conduct new studies on a small number of streams, which will be determined during the scoping phase.

Utah engineers, as well as the MMMS/CTP coordinator and the NFIP coordinator will be available to provide guidance to communities should they be interested in using their own funds to collect new flood study data. We may or may not be directly involved with creating any new flood hazard data, but will be agreeable to incorporating new data that we receive provided it meets all FEMA guidelines and is presented within the allotted timeframe.

Utah will work with local communities, counties, local floodplain administrators and other state agencies to encourage sharing of resources. All data collected during this initiative will be integrated with other programs and systems, where deemed necessary, to most effectively improve the accuracy and utility of the digital flood hazard boundary maps.

Utah would like to restudy certain areas where the existing model is inadequate to map and to create new detailed studies, restudying problem areas and building limited detail studies in existing approximate zones. Utah's role as a manager for this project will ensure that we are prepared to perform similar functions in future years for this project and that we are able to tackle ongoing maintenance and Risk MAP issues in the future.

We believe that this business plan effectively contributes to FEMA's Flood Map Modernization and Risk MAP objectives, which are to:

- Establish and maintain a premier flood-hazard data collection and delivery system;
- Refine/confirm risk results from HAZUS Level 1 Analyses;
- Update CNMS Geodatabase;
- Build and maintain mutually beneficial partnerships;
- Expand and better inform the user community through outreach; and
- Position Utah to ensure 80% of Utah's hazards have new, update or valid engineering.

Each year, Map Modernization Management Support (MMMS/CTP) funds are available to each State to use in support of CTP grant activities. In Utah, this year's funds will be used to focus on outreach to local communities, State partners and Federal agencies. Funds will also be used for management efforts, such as tracking cost and schedule within the MIP. \$40,300 was offered to Utah and will be broken out as follows:

- Salary and fringe benefits for the CTP - \$35,00
- Travel to annual conferences for ASFPM, and UFSMA and possibly 2 regional FEMA meetings, FEMA training sessions, and local travel for outreach meetings- \$4,000
- Supplies including monthly fees for a project management web site, communications, paper and communication - \$1300

7. Concerns and Potential Shortfalls

Restudy Funds

The State of Utah has concerns about the level of funds available for new restudies. The State reiterates the concerns of local governments in Utah that the conversion of existing FIRM panels may contain outdated and ineffective data.

Increase Scoping Funds

Emphasis on Scoping activities early in both pre-scoping and scoping activities is desired. Funding emphasis on activities such as: multi-hazard mapping, demonstrated needs that meet performance measures, leveraging opportunities, and budget constraints/shortfalls should be pursued.

Risk MAP or Map Maintenance

Although the State plans to continue its study work in Utah, details for how Risk MAP and map maintenance will function remains a concern.

Utah State's Proposal

The State proposes that FEMA provide annual funding for one Mapping Modernization Coordinator and expenses to perform mapping coordination and administrative activities as defined in this plan. The State proposes FEMA dedicate resources towards improved strategies and guidance on map maintenance and long-term care of new mapping products and data. In light of Utah State's vulnerability to various types of hazards, the State proposes increased scoping funds leading to identification of such hazards and integrated multi-hazard product development.

8. Recent Accomplishments and Outreach Plan

Recent Accomplishments

In FY07, Utah:

- Produced and distributed preliminary products for Washington and Grand Counties;
- Began work on 4 new counties including Utah, Sanpete, Uintah, Morgan and Box Elder Counties; and
- Continued work on the FY05, FY06 counties including Tooele, Grand, Iron and Wasatch counties.

In FY08, Utah:

- Finished producing preliminary products for Sanpete and Tooele counties;
- Coordinated and attended scoping meetings for Sevier and Carbon counties.
- Negotiated MMMS and CTP grant with FEMA.
- Completed scoping phase for Carbon County.

In FY09, Utah:

- Washington, Grand and Tooele Counties have gone effective.
- Utah County has been scoped and work began to include more studies.
- Weber County has been scoped as a PMR and work has begun.
- Coordinated and attended CCO Meetings for Box Elder County, Sanpete County, Uintah and Wasatch Counties.

In FY10, Utah:

- Work will begin on new county-wide and other studies identified on Utah's Risk MAP unmet needs list.
- Outreach meetings and training will begin at the county and community level by the Risk MAP Outreach Team.

Outreach Plan

- Utah's MMMS/CTP Coordinator will send out a yearly Utah Risk MAP Unmet Needs Questionnaire to all NFIP communities to add and update the Utah Risk MAP unmet needs list.
- Utah's MMMS/CTP Coordinator will be sending out a monthly e Newsletter to NFIP communities to keep them informed of new mapping studies, current studies, the mapping process and map adoption.
- Utah's MMMS/CTP Coordinator will send out Utah's monthly coordination meeting minutes that are help with FEMA and the Prime Engineering Contractors to the affected communities.
- Utah's NFIP quarterly newsletter, High and Dry, will continue to update the communities with articles on status and effective dates of ongoing projects.
- Utah's MMMS/CTP Coordinator will post an interactive GIS map of the state's current studies on the Utah Division of Homeland Security website to include start dates, projected effective dates, Prime Engineering Contractor contacts, streams studied, status and contact information.
- Utah's MMMS/CTP Coordinator will create a flip outreach booklet to include the Map Modernization process, current studies underway, Utah's DFIRM status, contact information and GIS maps.
- Utah's MMMS/CTP Coordinator will develop other outreach brochures to better inform the community on the Map Mod and Risk MAP process and program and their role as a community.